15 March 2001

OPTICS COMMUNICATIONS

ELSEVIER

Optics Communications 189 (2001) 395–400

www.elsevier.com/locate/optcom

Author index to volume 189

Ackemann, T., W. Grosse-Nobis and G.L. Lippi, The Gouy phase shift, the average phase lag of Fourier components of Hermite–Gaussian modes and their application to resonance conditions in optical cavities 189 (2001) 5
Allaria, E., see Pisarchik, A.N. 189 (2001) 313
Antipov, O.L., D.V. Chausov and V.V. Yarovoy, Increase in phase-conjugate reflectivity of a holographic Nd:YAG oscillator due to resonant refractive-index grating 189 (2001) 143
Avrillier, S., see Tualle, J.-M. 189 (2001) 211

Ban, M., Reliability function of quantum dense coding of continuous variables 189 (2001) 97
Barmenkov, Yu.O., see Martínez-Rios, A. 189 (2001) 261
Baronavski, A.P., see Ladouceur, H.D. 189 (2001) 107
Belarouci, A., F. Menchini, H. Rigneault, B. Jacquier, R.M. Montereali, F. Somma and P. Moretti, Spontaneous emission properties of color centers based optical microcavities 189 (2001) 281
Bellver-Cebreros, C. and M. Rodriguez-Danta, Eikonal equation, alternative expression of Fresnel's equation and Möhr's construction in optical anisotropic media 189 (2001) 193
Bertolotti, M., see Centini, M. 189 (2001) 135
Bhatia, P.S., G.R. Welch and M.O. Scully, A single-mode semiconductor diode laser operating in the strong optical feedback regime and tunable within the D_1 line of the Cs atom 189 (2001) 321
Bloemer, M.J., see Centini, M. 189 (2001) 135
Bowden, C.M., see Centini, M. 189 (2001) 135
Bozhevolnyi, S.I., see Vohnsen, B. 189 (2001) 305

Casasent, D., see Grother, P. 189 (2001) 31
Centini, M., M. Scalora, G. D'Aguanno, C. Sibilia, M. Bertolotti, M.J. Bloemer, C.M. Bowden and J.W. Haus, Efficient nonlinear infrared parametric generation in one-dimensional photonic band gap structures 189 (2001) 135
Chausov, D.V., see Antipov, O.L. 189 (2001) 143
Chen, S., see Chi, N. 189 (2001) 235
Chen, B., see Wang, H. 189 (2001) 79
Chi, N., S. Chen, L. Xu, J. Qi, Y. Qiao and Y. Zheng, A new scheme of cross-gain modulation wavelength converter with good performance on extinction ratio 189 (2001) 235

D'Aguanno, G., see Centini, M. 189 (2001) 135
Dötsch, H., see Lohmeyer, M. 189 (2001) 251

PII: S0030-4018(01)01102-6

Diez, S., E. Hilliger, M. Kroh, C. Schmidt, C. Schubert, H.G. Weber, L. Occhi, L. Schares, G. Guekos and L.K. Oxenloewe, Optimization of SOA-based Sagnac-interferometer switches for demultiplexing to 10 and 40 Gb/s 189 (2001) 241
Domínguez-Cruz, R., see Ramos-García, R. 189 (2001) 389
Dorenbos, P., see van Loef, E.V.D. 189 (2001) 297

Egawa, S., see Qiu, M. 189 (2001) 161
Erland, J., see Vohnsen, B. 189 (2001) 305

Fally, M., see Sun, Q. 189 (2001) 151
Filippov, V.N., see Martínez-Rios, A. 189 (2001) 261
Forysiak, W., see Richardson, L.J. 189 (2001) 63
Furlan, W.D., D. Zalvidea and G. Saavedra, Synthesis of filters for specified axial irradiance by use of phase–space tomography 189 (2001) 15

Gaebler, V., see Li, D. 189 (2001) 357
Georgiev, G., see Rudow, O. 189 (2001) 187
Girardi, P.G., see Ladouceur, H.D. 189 (2001) 107
Gladkova, I., see Manassah, J.T. 189 (2001) 87
Gramotnev, D.K., see Nieminen, T.A. 189 (2001) 175
Grill, S. and E.H.K. Stelzer, Answer to: comment on "The uncertainty principle applied to estimate focal spot dimensions" [Opt. Commun. 173 (2000) 51] 189 (2001) 3
Grosse-Nobis, W., see Ackemann, T. 189 (2001) 5
Grother, P. and D. Casasent, Optical path difference measurement techniques for SLMs 189 (2001) 31
Grounds, P.W., see Ladouceur, H.D. 189 (2001) 107
Guekos, G., see Diez, S. 189 (2001) 241
Güdel, H.U., see van Loef, E.V.D. 189 (2001) 297

Harrison, R.G., see Wang, P.-Y. 189 (2001) 127
Haus, J.W., see Centini, M. 189 (2001) 135
He, X.Y., see Quan, C. 189 (2001) 21
Hertel, P., see Lohmeyer, M. 189 (2001) 251
Hilliger, E., see Diez, S. 189 (2001) 241
Horimoto, K., see Qiu, M. 189 (2001) 161
Huang, S., see Wang, H. 189 (2001) 79
Huo, Y., see Taylor, G.W. 189 (2001) 345
Hvam, J.M., see Vohnsen, B. 189 (2001) 305

Jacquier, B., see Belarouci, A. 189 (2001) 281
Jensen, J.R., see Vohnsen, B. 189 (2001) 305
Ji, X., see Lü, B. 189 (2001) 47
Jin, G., see Tan, Q. 189 (2001) 167
Joachim Eichler, H., see Li, D. 189 (2001) 357

Kalisky, Y., L. Kravchik and C. Labbe, Repetitive modulation and passively Q-switching of diode-pumped Nd–KGW laser 189 (2001) 113
Krämer, K.W., see van Loef, E.V.D. 189 (2001) 297
Kravchik, L., see Kalisky, Y. 189 (2001) 113
Kroh, M., see Diez, S. 189 (2001) 241
Kuntsevich, B.F., see Pisarchik, A.N. 189 (2001) 313
Kwon, Y., see Xie, W. 189 (2001) 337

Labbe, C., see Kalisky, Y. 189 (2001) 113
Ladouceur, H.D., A.P. Baronavski, D. Lohrmann, P.W. Grounds and P.G. Girardi, Electrical conductivity of a femtosecond laser generated plasma channel in air 189 (2001) 107
Laenen, R., see Roth, T. 189 (2001) 289
Laeri, F., see Sun, Q. 189 (2001) 151
Lam, Y.-L., see Xie, W. 189 (2001) 337
Larkin, K.G., see Sheppard, C.J.R. 189 (2001) 1
Layet, B. and J.F. Snowdon, Comparison of two approaches for implementing free-space optical interconnection networks 189 (2001) 39
Li, D., C. Zhu, V. Gaebler, B. Liu, H. Joachim Eichler, Z. Zhang, Y. Wang, Z. Li and J. Qiu, Theoretical and experimental studies of noise suppression for intracavity frequency doubled lasers with phase matching type I or II 189 (2001) 357
Li, Z., see Li, D. 189 (2001) 357
Lippi, G.L., see Ackemann, T. 189 (2001) 5
Liu, B., see Li, D. 189 (2001) 357
Lohmeyer, M., L. Wilkens, O. Zhuromskyy, H. Dötsch and P. Hertel, Integrated magnetooptic cross strip isolator 189 (2001) 251
Lohrmann, D., see Ladouceur, H.D. 189 (2001) 107
Lu, W., see Wang, P.-Y. 189 (2001) 127
Lu, Q., S. Zeng, Q. Luo and Y. Ruan, Rapid modeling of two-dimensional multi-photon excitation microscopic imaging through turbid medium 189 (2001) 227
Luo, Q., see Lu, Q. 189 (2001) 227
Lü, B. and X. Ji, Focal shift in Gaussian beams focused by a spherically aberrated bifocal lens 189 (2001) 47

Manassah, J.T. and I. Gladkova, Spatial periodicity enhanced superradiance from an optically dense two-level medium 189 (2001) 87
Mantsyzov, B.I., Laue soliton in a resonantly absorbing photonic crystal 189 (2001) 275
Martínez-Rios, A., A.N. Starodumov, Yu.O. Barmenkov, V.N. Filippov and I. Torres-Gomez, Optically controlled wavelength switching 189 (2001) 261
Menchini, F., see Belarouci, A. 189 (2001) 281
Meucci, R., see Pisarchik, A.N. 189 (2001) 313
Mizunami, T., see Qiu, M. 189 (2001) 161
Montereali, R.M., see Belarouci, A. 189 (2001) 281
Moretti, P., see Belarouci, A. 189 (2001) 281
Müller-Wiegand, M., see Rudow, O. 189 (2001) 187

Naulleau, P., A coherence encoding method for optical switching, encryption, and arithmetic 189 (2001) 55
Nieminen, T.A. and D.K. Gramotnev, Rigorous analysis of extremely asymmetrical scattering of electromagnetic waves in slanted periodic gratings 189 (2001) 175
Nijhof, J.H.B., see Richardson, L.J. 189 (2001) 63
Nugumanov, A.M., see Sokolov, V.I. 189 (2001) 377

Obara, M., see Ozono, K. 189 (2001) 103
Occhi, L., see Diez, S. 189 (2001) 241
Oesterschulze, E., see Rudow, O. 189 (2001) 187
Oxenloewe, L.K., see Diez, S. 189 (2001) 241
Ozono, K., M. Obara, A. Usui and H. Sunakawa, High-speed ablation etching of GaN semiconductor using femtosecond laser 189 (2001) 103

Pedersen, K., see Vohnsen, B. 189 (2001) 305
Peet, V.E. and R.V. Tsubin, Generation of resonance-enhanced fifth harmonic in xenon with Bessel–Gauss laser beams 189 (2001) 267
Pisarchik, A.N., B.F. Kuntsevich, R. Meucci and E. Allaria, Negative hysteresis in a laser with modulated parameters 189 (2001) 313
Podoshvedov, S.A., Energy conversion and all-optical switching in three-wave mixing in crystal with periodical modulation of $\chi^{(2)}$ susceptibility 189 (2001) 365

Qi, J., see Chi, N. 189 (2001) 235
Qiao, Y., see Chi, N. 189 (2001) 235
Qiu, M., S. Egawa, K. Horimoto and T. Mizunami, The thickness evolution of the second-order nonlinear layer in thermally poled fused silica 189 (2001) 161
Qiu, J., see Li, D. 189 (2001) 357
Quan, C., X.Y. He, C.F. Wang, C.J. Tay and H.M. Shang, Shape measurement of small objects using LCD fringe projection with phase shifting 189 (2001) 21

Ramos-García, R. and R. Domínguez-Cruz, Self-diffraction from surface relief thermal gratings in a photorefractive BSO crystal 189 (2001) 389
Renzoni, F. and S. Stenholm, Adiabatic transfer of atomic coherence 189 (2001) 69
Richardson, L.J., J.H.B. Nijhof and W. Forysiak, An interpretation of the energy variations of dispersion managed solitons in terms of effective average dispersion 189 (2001) 63
Rigneault, H., see Belarouci, A. 189 (2001) 281
Rodriguez-Danta, M., see Bellver-Cebreros, C. 189 (2001) 193
Roth, T. and R. Laenen, Absorption of free carriers in diamond determined from the visible to the mid-infrared by femtosecond two-photon absorption spectroscopy 189 (2001) 289
Ruan, Y., see Lu, Q. 189 (2001) 227
Rudow, O., A. Vollkopf, M. Müller-Wiegand, G. Georgiev and E. Oesterschulze, Theoretical investigations of a coaxial probe concept for scanning near-field optical microscopy 189 (2001) 187
Rupp, R.A., see Sun, Q. 189 (2001) 151

Saavedra, G., see Furlan, W.D. 189 (2001) 15
Scalora, M., see Centini, M. 189 (2001) 135
Schares, L., see Diez, S. 189 (2001) 241
Schmidt, C., see Diez, S. 189 (2001) 241
Schubert, C., see Diez, S. 189 (2001) 241
Scully, M.O., see Bhatia, P.S. 189 (2001) 321
Shang, H.M., see Quan, C. 189 (2001) 21
Shao, J., see Taylor, G.W. 189 (2001) 345
Sheppard, C.J.R. and K.G. Larkin, Comment on "The uncertainty principle applied to estimate focal spot dimensions" [Opt. Commun. 173 (2000) 51] 189 (2001) 1
Sibilia, C., see Centini, M. 189 (2001) 135
Smirnov, R.V., see Sokolov, V.I. 189 (2001) 377
Snowdon, J.F., see Layet, B. 189 (2001) 39
Sokolov, V.I., A.M. Nugumanov and R.V. Smirnov, Phase conjugation of broadband light at three-wave mixing in a nonlinear crystal 189 (2001) 377
Somma, F., see Belarouci, A. 189 (2001) 281
Starodumov, A.N., see Martínez-Rios, A. 189 (2001) 261
Stelzer, E.H.K., see Grill, S. 189 (2001) 3
Stenholm, S., see Renzoni, F. 189 (2001) 69
Sun, Q., R.A. Rupp, M. Fally, U. Vietze and F. Laeri, Isotropic diffraction induced by concentration gratings in α-$LiIO_3$:Fe 189 (2001) 151
Sunakawa, H., see Ozono, K. 189 (2001) 103

Tam, S.-C., see Xie, W. 189 (2001) 337
Tan, Q., Y. Yan, G. Jin and M. Wu, Design of diffractive optical element for true beam smoothing 189 (2001) 167
Tay, C.J., see Quan, C. 189 (2001) 21
Taylor, G.W., Y. Huo and J. Shao, A new model for semiconductor laser high frequency performance based on Fermi energies 189 (2001) 345
Tinet, E., see Tualle, J.-M. 189 (2001) 211
Torres-Gomez, I., see Martínez-Rios, A. 189 (2001) 261
Tsubin, R.V., see Peet, V.E. 189 (2001) 267
Tualle, J.-M., E. Tinet and S. Avrillier, A new and easy way to perform time-resolved measurements of the light scattered by a turbid medium 189 (2001) 211

Usui, A., see Ozono, K. 189 (2001) 103

van Eijk, C.W.E., see van Loef, E.V.D. 189 (2001) 297
van Loef, E.V.D., P. Dorenbos, C.W.E. van Eijk, K.W. Krämer and H.U. Güdel, Optical and scintillation properties of pure and Ce^{3+} doped $GdBr_3$ 189 (2001) 297
Vietze, U., see Sun, Q. 189 (2001) 151
Vohnsen, B., S.I. Bozhevolnyi, K. Pedersen, J. Erland, J.R. Jensen and J.M. Hvam, Second-harmonic scanning optical microscopy of semiconductor quantum dots 189 (2001) 305
Vollkopf, A., see Rudow, O. 189 (2001) 187

Walker, J.G., Non-scanning confocal fluorescence microscopy using speckle illumination 189 (2001) 221
Wang, Y., see Li, D. 189 (2001) 357
Wang, H., S. Huang and B. Chen, Spectral diffusion induced by sudden jump processes 189 (2001) 79
Wang, P.-Y., W. Lu, D. Yu and R.G. Harrison, Excitability and pattern formation in a liquid crystal Fabry–Pérot interferometer 189 (2001) 127
Wang, C.F., see Quan, C. 189 (2001) 21
Weber, H.G., see Diez, S. 189 (2001) 241
Welch, G.R., see Bhatia, P.S. 189 (2001) 321
Wilkens, L., see Lohmeyer, M. 189 (2001) 251
Wu, M., see Tan, Q. 189 (2001) 167

Xie, W., S.-C. Tam, Y.-L. Lam and Y. Kwon, Diffraction losses of high power solid state lasers 189 (2001) 337
Xu, L., see Chi, N. 189 (2001) 235

Yan, Y., see Tan, Q. 189 (2001) 167
Yarovoy, V.V., see Antipov, O.L. 189 (2001) 143
Yu, D., see Wang, P.-Y. 189 (2001) 127

Zalvidea, D., see Furlan, W.D. 189 (2001) 15
Zeng, S., see Lu, Q. 189 (2001) 227
Zhang, Z., see Li, D. 189 (2001) 357
Zheng, Y., see Chi, N. 189 (2001) 235
Zhu, C., see Li, D. 189 (2001) 357
Zhuromskyy, O., see Lohmeyer, M. 189 (2001) 251

ELSEVIER

15 March 2001

Optics Communications 189 (2001) 401–404

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 189

Editorial Guidelines and Instructions to Authors v

Propagation and scattering

C.J.R. Sheppard and K.G. Larkin, Comment on "The uncertainty principle applied to estimate focal spot dimensions" [Opt. Commun. 173 (2000) 51] 1

S. Grill and E.H.K. Stelzer, Answer to: comment on "The uncertainty principle applied to estimate focal spot dimensions" [Opt. Commun. 173 (2000) 51] 3

T. Ackemann, W. Grosse-Nobis and G.L. Lippi, The Gouy phase shift, the average phase lag of Fourier components of Hermite–Gaussian modes and their application to resonance conditions in optical cavities 5

W.D. Furlan, D. Zalvidea and G. Saavedra, Synthesis of filters for specified axial irradiance by use of phase–space tomography 15

C. Quan, X.Y. He, C.F. Wang, C.J. Tay and H.M. Shang, Shape measurement of small objects using LCD fringe projection with phase shifting 21

Q. Tan, Y. Yan, G. Jin and M. Wu, Design of diffractive optical element for true beam smoothing 167

T.A. Nieminen and D.K. Gramotnev, Rigorous analysis of extremely asymmetrical scattering of electromagnetic waves in slanted periodic gratings 175

O. Rudow, A. Vollkopf, M. Müller-Wiegand, G. Georgiev and E. Oesterschulze, Theoretical investigations of a coaxial probe concept for scanning near-field optical microscopy 187

C. Bellver-Cebreros and M. Rodriguez-Danta, Eikonal equation, alternative expression of Fresnel's equation and Möhr's construction in optical anisotropic media 193

J.-M. Tualle, E. Tinet and S. Avrillier, A new and easy way to perform time-resolved measurements of the light scattered by a turbid medium 211

Optical information, image formation and analysis, optical computing

P. Grother and D. Casasent, Optical path difference measurement techniques for SLMs 31

B. Layet and J.F. Snowdon, Comparison of two approaches for implementing free-space optical interconnection networks 39

PII: S0030-4018(01)01103-8

B. Lü and X. Ji, Focal shift in Gaussian beams focused by a spherically aberrated bifocal lens 47

J.G. Walker, Non-scanning confocal fluorescence microscopy using speckle illumination 221

Q. Lu, S. Zeng, Q. Luo and Y. Ruan, Rapid modeling of two-dimensional multiphoton excitation microscopic imaging through turbid medium 227

Optical communications

P. Naulleau, A coherence encoding method for optical switching, encryption, and arithmetic 55

L.J. Richardson, J.H.B. Nijhof and W. Forysiak, An interpretation of the energy variations of dispersion managed solitons in terms of effective average dispersion 63

N. Chi, S. Chen, L. Xu, J. Qi, Y. Qiao and Y. Zheng, A new scheme of cross-gain modulation wavelength converter with good performance on extinction ratio 235

S. Diez, E. Hilliger, M. Kroh, C. Schmidt, C. Schubert, H.G. Weber, L. Occhi, L. Schares, G. Guekos and L.K. Oxenloewe, Optimization of SOA-based Sagnac-interferometer switches for demultiplexing to 10 and 40 Gb/s 241

M. Lohmeyer, L. Wilkens, O. Zhuromskyy, H. Dötsch and P. Hertel, Integrated magnetooptic cross strip isolator 251

A. Martínez-Rios, A.N. Starodumov, Yu.O. Barmenkov, V.N. Filippov and I. Torres-Gomez, Optically controlled wavelength switching 261

Atomic and molecular physics

F. Renzoni and S. Stenholm, Adiabatic transfer of atomic coherence 69

V.E. Peet and R.V. Tsubin, Generation of resonance-enhanced fifth harmonic in xenon with Bessel–Gauss laser beams 267

Condensed matter

H. Wang, S. Huang and B. Chen, Spectral diffusion induced by sudden jump processes 79

B.I. Mantsyzov, Laue soliton in a resonantly absorbing photonic crystal 275

A. Belarouci, F. Menchini, H. Rigneault, B. Jacquier, R.M. Montereali, F. Somma and P. Moretti, Spontaneous emission properties of color centers based optical microcavities 281

T. Roth and R. Laenen, Absorption of free carriers in diamond determined from the visible to the mid-infrared by femtosecond two-photon absorption spectroscopy 289

E.V.D. van Loef, P. Dorenbos, C.W.E. van Eijk, K.W. Krämer and H.U. Güdel, Optical and scintillation properties of pure and Ce^{3+} doped $GdBr_3$ 297

Quantum optics

J.T. Manassah and I. Gladkova, Spatial periodicity enhanced superradiance from an optically dense two-level medium 87

M. Ban, Reliability function of quantum dense coding of continuous variables 97

B. Vohnsen, S.I. Bozhevolnyi, K. Pedersen, J. Erland, J.R. Jensen and J.M. Hvam, Second-harmonic scanning optical microscopy of semiconductor quantum dots 305

Laser physics and laser sources

K. Ozono, M. Obara, A. Usui and H. Sunakawa, High-speed ablation etching of GaN semiconductor using femtosecond laser 103

H.D. Ladouceur, A.P. Baronavski, D. Lohrmann, P.W. Grounds and P.G. Girardi, Electrical conductivity of a femtosecond laser generated plasma channel in air 107

Y. Kalisky, L. Kravchik and C. Labbe, Repetitive modulation and passively Q-switching of diode-pumped Nd–KGW laser 113

A.N. Pisarchik, B.F. Kuntsevich, R. Meucci and E. Allaria, Negative hysteresis in a laser with modulated parameters 313

P.S. Bhatia, G.R. Welch and M.O. Scully, A single-mode semiconductor diode laser operating in the strong optical feedback regime and tunable within the D_1 line of the Cs atom 321

W. Xie, S.-C. Tam, Y.-L. Lam and Y. Kwon, Diffraction losses of high power solid state lasers 337

G.W. Taylor, Y. Huo and J. Shao, A new model for semiconductor laser high frequency performance based on Fermi energies 345

D. Li, C. Zhu, V. Gaebler, B. Liu, H. Joachim Eichler, Z. Zhang, Y. Wang, Z. Li and J. Qiu, Theoretical and experimental studies of noise suppression for intracavity frequency doubled lasers with phase matching type I or II 357

Nonlinear optics

P.-Y. Wang, W. Lu, D. Yu and R.G. Harrison, Excitability and pattern formation in a liquid crystal Fabry–Pérot interferometer 127

M. Centini, M. Scalora, G. D'Aguanno, C. Sibilia, M. Bertolotti, M.J. Bloemer, C.M. Bowden and J.W. Haus, Efficient nonlinear infrared parametric generation in one-dimensional photonic band gap structures 135

O.L. Antipov, D.V. Chausov and V.V. Yarovoy, Increase in phase-conjugate reflectivity of a holographic Nd:YAG oscillator due to resonant refractive-index grating 143

Q. Sun, R.A. Rupp, M. Fally, U. Vietze and F. Laeri, Isotropic diffraction induced by concentration gratings in α-$LiIO_3$:Fe 151

M. Qiu, S. Egawa, K. Horimoto and T. Mizunami, The thickness evolution of the second-order nonlinear layer in thermally poled fused silica 161

S.A. Podoshvedov, Energy conversion and all-optical switching in three-wave mixing in crystal with periodical modulation of $\chi^{(2)}$ susceptibility 365

V.I. Sokolov, A.M. Nugumanov and R.V. Smirnov, Phase conjugation of broadband light at three-wave mixing in a nonlinear crystal 377

R. Ramos-García and R. Domínguez-Cruz, Self-diffraction from surface relief thermal gratings in a photorefractive BSO crystal 389